

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in this application:

Claims 1-3. (Cancelled)

Claim 4. (Currently Amended) A battery charging/discharging apparatus for determining an actual remaining capacity of a battery, comprising:

detecting means for detecting a cell voltage;

~~means~~ a microcomputer for determining a remaining capacity value based on the cell voltage detected by said detecting means;

a memory for storing the determined remaining capacity value; wherein

~~comparing means for comparing~~ the microcomputer compares the remaining capacity value read from said memory with a current remaining capacity value that was determined ~~by said means for determining;~~ and wherein

~~updating means for periodically updating~~ the microcomputer updates the remaining capacity value stored in the memory based on a result of ~~said comparing means~~ the comparison,

wherein ~~said the~~ updating means is performed on a reiterating basis and replaces the remaining capacity value

stored in the memory with the current remaining capacity value determined by said ~~means for determining~~ microcomputer in case that the remaining capacity value stored in the memory is greater than the current remaining capacity value determined by said means for determining.

Claim 5. (Cancelled)

Claim 6. (Currently Amended) A battery charging/discharging method of a battery charging/discharging apparatus for determining an actual remaining capacity of a battery, said battery charging/discharging method comprising the steps of:

detecting a cell voltage;

determining a remaining capacity value based on the cell voltage detected in the detecting step;

storing in a memory the remaining capacity value determined in said step of determining;

comparing the remaining capacity value read out from the memory with a current remaining capacity value obtained by performing again said steps of detecting and determining; and

~~periodically~~ reiterating said step of updating the remaining capacity value stored in the memory based on a result in the comparing step,

wherein said ~~periodically~~ updating replaces the remaining capacity value stored in the memory with the current remaining capacity value in case that the remaining capacity value stored in the memory in the step of storing is greater than the current remaining capacity value.